

PM10/2.5 Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Project Description (from TIP, RTP, and/or project documents) MPO ID#: 5620 Yr-2002-2003 The California Department of Transportation (Caltrans) proposes to widen and grade separate State Route 90 (also called Imperial Highway) at its existing intersection with Burlington Northern Santa Fe (BNSF) Railway (formerly the Atcheson, Topeka & Santa Fe or AT&SF Railway) and Orangethorpe Ave./Esperanza Rd. in the Cities of Anaheim and Yorba Linda within the County of Orange to reduce traffic congestion and accidents at this intersection. The proposed improvements will improve traffic flow at the intersection and make it safer for the motoring public.									
Type of project (see list below) <i>New state highway; Change to existing state highway</i>									
County: Orange		Narrative Location/Route & Postmiles 12-Ora-90-KP 18.99/20.28 Caltrans Projects – EA#: 12-056211							
Lead Agency: OCTA									
Contact Person Piya Ansari			Phone# 949-440-4497		Fax# 949-440-4465		Email Piya.Ansari@dot.ca.gov		
<i>Check appropriate box below</i>									
PM2.5		MAY BE POAQC				X		NOT POAQC	
PM10		MAYBE POAQC				X		NOT POAQC	
CO		MAYBE POAQC				X		NOT POAQC	
Federal Action Needed (Check appropriate box and describe in Comments below)									
CE		EA or Draft EIS		FONSI or Final EIS		X		PS&E or Construction	
Scheduled Date of Federal Action:									
Current Programming Dates (as appropriate)									
		PE/Environmental		ENG		ROW		CON	
Start		January 2000		May 2003		May 2003		November 2006	
End		May 20, 2003		May 1, 2006		March 1, 2006		April 2010	
Project Purpose and Need (Summary): <i>Attach additional sheets as necessary</i> The Esperanza/Orangethorpe/SR-90 intersection is currently operating at Level of Service (LOS) F during the peak hours even without the effects of train crossing. If a train crossing occurs during the peak hour traffic on SR-90, Orangethorpe Avenue and Esperanza Road experience 5 to 10 minute delays and related queues. Daily traffic volumes on SR-90 are expected to grow from 46,000 vehicles in 1996 to a projected volume of 80,000 vehicles in 2020 at the BNSF Railroad crossings. Rail traffic is also expected to increase from 68 crossing in 2001 to as many as 128 crossings in the year 2010. This Grade Separation Project would increase the traffic safety of the existing Orangethorpe Avenue/Esperanza Road and BNSF Railroad crossings by eliminating these at grade crossings and with additional widened lanes would improve the LOS and consequently will improve the air quality.									
Surrounding Land Use/Traffic Generators Light industrial/Residential									

LOS C, AADT 56,000, 6.7% trucks, truck AADT of proposed facility 3,752 (opening year)
LOS D, AADT 80,000, 6.7% trucks , truck AADT of proposed facility 5,360 (RTP horizon year)
If facility is interchange(s) or intersection(s), cross-street AADT 33,000, % trucks, truck AADT (opening year) Truck Information is not available
If facility is interchange(s) or intersection(s), cross-street AADT 38,000, % trucks, truck AADT (RTP horizon year) Truck Information is not available
<p>Describe potential traffic redistribution effects of congestion relief.</p> <p>Daily traffic volumes on SR-90 are expected to grow from 46,000 vehicles in 1996 to a projected volume of 80,000 vehicles in 2020 at the BNSF Railroad crossings.</p> <p>Rail traffic is also expected to increase from 68 crossing in 2001 to as many as 128 crossings in the year 2010.</p> <p>This Grade Separation Project would increase the traffic safety of the existing Orangethorpe Avenue/Esperanza Road and BNSF Railroad crossings by eliminating these at grade crossings and with additional widened lanes would improve the LOS.</p>
<p>Comments/Explanation/Details <i>Attach additional sheets as necessary</i></p> <p>This project is <u>Ranked High Priority</u>, as it needs to be advertised by July 17, 2006, and it is in danger of losing funding.</p>

TYPE OF PROJECT:

New state highway; Change to existing state highway

New regionally significant street; Change to existing regionally significant street

New interchange; Change to existing interchange

Intersection channelization

Intersection signalization

Bus, rail, or inter-modal facility terminal/transfer point

REFERENCE:

Criteria for projects of air quality concern (40 CFR 93.123(b)(1)) – PM₁₀ and PM_{2.5} hot spots

- (i) *New or expanded highway projects that have a significant number of or significant increase in diesel vehicles;*
- (ii) *Projects affecting intersections that are at Level-of-Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level-of-Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project;*
- (iii) *New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;*
- (iv) *Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and*
- (v) *Projects in or affecting locations, areas, or categories of sites which are identified in the PM₁₀ or PM_{2.5} applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.*